

The Commonwealth of Massachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

Mason GARDNER STATE COLONY *(Mason)*

FOR THE

YEAR ENDING NOVEMBER 30, 1928

DEPARTMENT OF MENTAL DISEASES



GARDNER STATE COLONY

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CHARLES E. THOMPSON, M.D., *Superintendent*.
 LONNIE O. FARRAR, M.D., *Assistant Superintendent*.
 FREDERICK P. MOORE, M.D., *Senior Assistant Physician*.
 HAROLD K. MARSHALL, M.D., *Assistant Physician*.
 MARY A. DANFORTH, M.D., *Assistant Physician*.
 J. HERBERT MAYCOCK, D.M.D., *Dentist*.
 MYRON L. MARR, *Steward*.
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GLADYS C. RIPLEY, R.N., *Women's Infirmary*.
 ALTON J. WINCHENBACH, *Men's Infirmary*.
 ILA W. KENNEDY, R.N., *Hospital*.
 ELVIRA I. WINCHENBACH, R.N., *Treatment Building*.

*Matrons.**Colonies.**Supervisors.*

Mrs. Gladys Bennett	Belcher Cottage	Walter Bennett
Mrs. Myrtie Sprague	Hillcrest Cottage	Streeter G. Sprague
Mrs. Mertie Morse	Valley Cottage	Fred Morse
Mrs. Minnie Larkin	Gardner Cottage	Herbert J. Larkin
Mrs. Beren Morse	Westminster Cottage	Merrill Morse
Mrs. Mabel Sanderson	Fairview Cottage	_____
Miss Bernadette Brunette	Overlook Cottage	_____
Miss Helen G. Batchelder	Highland Cottage	_____
_____	Wachusett Cottage	Fletcher C. Mann

RELIGIOUS SERVICES.

REV. JAMES T. REILLY, *Catholic*

MOSES L. SEDAR, *Hebrew*

Local Pastors in turn, *Protestant*

TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council:

The Trustees of the Gardner State Colony present their twenty-sixth annual report. Death has taken from their number Mrs. Alice M. Spring. She was one of the original Board of Trustees of the Colony, appointed in 1901. The following resolutions were adopted by the Trustees:

Whereas: It has pleased God to call from this life Alice M. Spring, late a trustee of the Gardner State Colony, one of its original trustees and by successive appointments in that office in the service of the Commonwealth for more than twenty-six years, a woman of high Christian character, uncompromising in the performance of duty, tender and solicitous of impulse, self-sacrificing, kindly, just and humane.

Be it Resolved: That by the death of Alice M. Spring the Commonwealth has lost a high-minded, earnest and useful public servant, the Gardner State Colony a valuable and efficient officer and its Board of Trustees a delightful co-worker and friend, and

Be it Further Resolved: That these resolutions be spread upon the records of the trustees of the Gardner State Colony and a copy sent to her bereaved family as a memorial to Alice M. Spring and as an expression of the sense of sorrow and of loss felt by the trustees at her passing.

Governor Fuller appointed Miss Grace Nichols, of Boston, a Trustee for Mrs. Spring's uncompleted term.

It is satisfactory to record the great improvement in our facilities for the care of patients given by the new hospital building. By means of this hospital and the building for the care of disturbed women the infirmary and central dormitory for women have been relieved of noise and distressing sights so that it is again suited to the purposes for which it was erected.

Similar construction to permit a like relief for the men is urgently needed and the Trustees are delighted to note that this project for a building for intensive treatment of men has been approved by the central authorities and that the Legislature has been asked for the necessary appropriation. To complete this program a hospital for men should soon follow, a building similar to the one now used for both sexes.

Construction in 1928: 1. Additions to filter beds. 2. Two officers' bungalows. 3. Repairs to road to Westminster. These jobs are practically completed.

Two of our Colony groups are in old farmhouses which are now unsuitable. These should be replaced. Other Colony groups should be established and the original plan carried out and further developed.

Your Trustees have year by year asked for a Superintendent's house. They still feel that this is very important and urge that it be built soon.

The continuous wooden stable, hay storage, cow barn and dairy present a situation of menace. In case of fire it is highly improbable that the animals could be removed alive. The herd of cows is a valuable one. The Trustees are glad to note the probability that a new dairy building will be allowed this year. Something more should be done to lessen the fire risk. The best way is to build a new fire-proof cow tie-up building separate from stable and haymows. This separation should be made for sanitary reasons also.

The morale of the State Colony is high. There is a spirit of contentment among patients and of service among officers and employees which is gratifying. Such a spirit is found only in well-managed institutions. The Trustees are appreciative of the Superintendent, Dr. Charles E. Thompson. Attention is invited to his report, appended.

Respectfully submitted,

AMIE H. COES, *Secretary*,
THOMAS H. SHEA,
OWEN A. HOBAN,

THOMAS R. P. GIBB,
GEORGE A. MARSHALL,
GRACE NICHOLS,

FREDERIC A. WASHBURN, *Chairman*.

January 15, 1929.

SUPERINTENDENT'S REPORT.

To the Trustees of the Gardner State Colony:

The report of the operation of the Gardner State Colony for the statistical year ending September 30, and for the fiscal year ending November 30, 1928, is respectfully submitted. This is the twenty-sixth annual report.

MOVEMENT OF POPULATION.

At the close of the statistical year 1927 there were under care 1,164 patients as follows:

Actually within the hospital, 1,069; in family care, 56; on visit to their homes, 33; on escape, 6. 12 additional patients in family care were under our supervision but on the books of the Department of Mental Diseases for financial support. The total number in family care under our supervision was 68.

During the year 150 have been admitted and 119 were discharged, 48 have died. Of those admitted 94 were admitted by first admission; 18 re-admitted; 38 received by transfer to relieve overcrowding in other hospitals.

The diagnosis of mental disease in those 94 admitted for the first time was: senile psychosis, 13; psychosis with cerebral arteriosclerosis, 10; general paralysis, 4; alcoholic psychosis, 7; psychosis with somatic disease, 6; psychosis due to drugs, 1; manic depressive psychosis, 12; involution melancholia, 3; dementia præcox, 12; paranoia or paranoid condition, 1; psychoneurosis and neurosis, 2; psychosis with psychopathic personality, 2; psychosis with mental deficiency, 1; undiagnosed psychosis, 2; without a psychosis-epilepsy, 1; mental deficiency, 5; psychopathic personality, 3; not insane, 9.

The average ages of those admitted for the first time was: 20 years or less, 4; 20 to 30 years, 8; 30 to 40 years, 16; 40 to 50 years, 26; 50 to 60 years, 10; 60 to 70 years, 9; 70 to 80 years, 17; over 80 years, 4.

The probable cause assigned in the 94 first admissions was: unknown, 23; psychopathic personality, 8; alcohol, 7; arteriosclerosis, 21; syphilis, 4; congenital, 5; heredity, 7; worry, 3; physical disease, 14; drugs, 1; somatic disease, 1.

The causes of death in 48 were: Erysipelas, 1; pulmonary tuberculosis, 2; septicæmia, 1; malignant tumor, 5; pernicious anemia, 1; cerebral hemorrhage, 9; general paralysis, 2; arteriosclerosis, 3; pneumonia, 2; endocarditis and myocarditis, 15; suicide, 1; intestinal obstruction, 2; fractured skull, 1; chronic endocarditis, 2; multiple sclerosis, 1.

FAMILY CARE.

Suitable patients, usually those of middle life, or beyond, have been placed in selected homes in the community as in former years. The number so placed has been limited because of an insufficient appropriation with which to pay the board of those who are not self-supporting and it became necessary the last two months of the year to transfer 12 of these patients to the books of the Department of Mental Diseases rather than remove them from their homes to the Colony. The cost of caring for patients in families away from the hospital is so much less (\$4 per week) that it would seem unwise to limit an appropriation for this purpose. The family care system works well and the number so cared for should be increased.

All homes have been visited by me recently and while many of them lack conveniences and suggest much to be desired and in several instances are very primitive, the patients quite universally expressed themselves as satisfied and preferred the home care they were receiving to that given at the Colony. This suggests that the type of patients so placed are now living under conditions more like those they were formerly accustomed to and they prefer them even though they are lacking the facilities of the hospital.

Medical supervision given to these patients cannot be such as that given at the hospital and it has been necessary, following physical examination, to return several from family care because of high blood pressure, advanced age, etc.

I have to report one sudden death in family care due to cardiac disease.

OUT-PATIENT DEPARTMENT.

In the Out-Patient Department during the year there were seen as follows: In consultation, 39; at Clinic, 16; at the Colony, 11.

During the year there were examined 139 children in Public Schools in the twelve towns in our district as follows: Athol, 15; Dana, 1; Fitchburg, 14; Gardner, 12; Gill, 5; Greenwich, 2; Orange, 1; Phillipston, 2; Royalston, 13; Templeton, 49; Baldwinville, 16; Winchendon, 11.

The findings from the examination of these 139 children were: Feeble minded, 52; borderline, 50; dull, 23; normal, 13; not reported, 1.

A provision has now been made for the employment of a full time Social Worker

whose services are badly needed. As soon as a suitable person can be found it will be possible to do much more follow-up work than has been done this year, but the difficulty is in finding Social Workers who are able and willing to do the work necessary.

THE GENERAL HEALTH

of patients has been good during the year, but the general hospital service has been unusually active due to the larger and ever increasing number of elderly and infirm both of the resident population and new admissions. There is a very decided tendency in recent years and apparently it is increasing, to commit elderly people who are difficult to care for at home. The time is close at hand when larger accommodations for the care of the sick and infirm will be mandatory.

There has been no general outbreak of any contagious diseases. There was one case of Scarlet Fever in an officer. Re-vaccination of all patients and employees has been completed this year. Immunization against Typhoid Fever is given to all newly admitted patients and to all employees upon beginning work and this immunization is repeated at intervals of five years.

A report of each and every minor conflict and injury is required and there has been an increased number of these during the year due primarily to overcrowding, but conflicts of a serious nature have been few. One patient fell in a bathroom receiving a fracture of the skull from which he later died. I have to report one suicide, strangulation by hanging.

During the year there were 15 Industrial Accidents but none of these were of a serious nature and in two cases only was loss of time necessary and the amount of time lost was but five days.

Treatment of general paralysis by arsenical preparations has been actively continued but the majority of our cases are so far advanced when received that we cannot report very encouraging results because arsenical preparations in advanced cases of general paralysis have but little effect. Improvement may be seen, but cures are rarely obtained. A number of cases of Erysipelas have occurred but isolation of each case confined it to the individual. We have no provision for the segregation of the Tubercular except for a small group at the Hospital Building where those from whom there is danger of spreading it are treated. Those from whom there is no expectoration are perhaps properly distributed for the present in our colonies where the patients are largely out of doors each day throughout the year.

SURGICAL.

The following surgical operations have been performed either by members of our Staff or by the consulting surgeon, A. F. Lowell, M.D., of Gardner: abdominal exploration, 4; removal of breast, 1; removal of both breasts, 1; appendectomy, 2; herniotomy, 2; removal of growth in abdomen, 1; uterine curettage, 1; perineorrhaphy, 1; hysterectomy, 2; removal of epithelioma of chin, 1; removal of ovarian cyst and cancerous tissue, 1; incision of ischiorectal abscess, 1; removal of eye — sarcoma, 1; appendectomy and ovariectomy, 1; tonsils and adenoids, 2.

The results of such operations have been: complete recovery, 9; relieved, 9; died, 4.

DENTISTRY.

The Dental Department has been under the direction of J. Herbert Maycock, D.M.D., with a full time assistant throughout the year. The following is the work done in this department: — Examinations, 2,199; Prophylaxis, 1,896; Fillings, 938; amalgam, 669, cement, 42, synthetic, 52, gutta percha, 175. Extractions under local anæsthetic, 557; extractions under general anæsthetic, 7. Post-operative treatments, 88. Minor surgical operations, 107: — Abscesses, 94; crowns removed, 3; corrected occlusions, 9; irrigated pus pockets, 1. Root canal treatment, 155; root canal fillings, 11. Treatments, 906: — Pyorrhea, 500; gingivitis, 200; Vincent's angina, 167; hypersensitive cementum and dentin, 22; inflamed gum and cheek, 10; canker, 2; pulpitis, 4; labium fraenum, 1. Plates made, 18; plates repaired, 14; plates adjusted, 33; bridges made, 1; bridges removed, 6; gold inlay — made and inserted, 7; gold shell crowns, 4; microscopic smears, 1; X-rays, 22.

HYDROTHERAPY.

It is worthy of note that in one year from the time of occupancy of the new Treatment Building for women, over 10,000 hydrotherapeutic treatments were given. This building has already demonstrated its value. The day of restraint and seclusion and control by opiates has passed but disturbed conditions have necessarily to be controlled, and hydrotherapy is the method in vogue. There is a tendency, no doubt, to overdo hydrotherapeutic treatment as other methods have been overdone in the past. The only relief from this that I can see is to provide out-of-door space, properly enclosed, to which the moderately disturbed patients may have access and enjoy out-of-door freedom throughout the better months of the year. Such an out-of-door space is urgently needed, and I believe that we should make plans for this at once. It seems to me that the continued use of hydrotherapy and the restriction of patients within buildings only increases the need of hydrotherapy rather than lessening it.

The following tables show kinds of treatment, the number of different patients treated, and the number of hours given:

	Male.	Female.	Total.
Saline baths	13	27	40
Salt glows	7	6	13
Electric light bath	4	2	6
Tub shampoo and hair shampoo	24	29	53
Needle spray	23	32	55
Fan douche	23	32	55
Pail douche	0	1	1
Continuous bath	19	100	119
Wet sheet pack	12	62	74

Total number of treatments:

Saline bath	283	404	687
Salt glow	125	98	223
Tub shampoo and hair shampoo	268	327	595
Needle spray	771	951	1,722
Fan douche	706	838	1,544
Pail douche	0	23	23
Electric light bath	103	66	169
Rain douche	500	419	919
Continuous bath	351	6,963	7,314
Wet sheet pack	46	4,690	4,736
Number of hours — continuous bath	987	20,480	21,467
Number of hours — wet sheet pack	141	14,376	14,518

PHYSICAL THERAPY.

The physical-therapy room established last year has been very active throughout this year. There were 289 different persons treated, and 4,793 treatments were given. The whole number of times treated was 2,893 representing an average of 10 treatments to each person. The number and forms of treatments given are as follows:

Number treated by high frequency: diathermy, 87; ouden, 10; auto-condensation, 15; non-vacuum, 19.

Number treated by vibration, 3; massage, 23; oscillation, 13; infra-red, 148; ultra-violet W. C., 55; ultra-violet A. C., 105.

Number treated by Morse wave generator: Sine wave, 36; Galvanism, 9; Pulsation direct, 10.

Results seen in the various conditions treated are: arteriosclerosis and high blood pressure, fair; sprained muscles, excellent; skin diseases, good; infections and varicose ulcers, good; paralysis, slight beneficial results have been seen. In the treatment of coryza, anemia, bronchitis and general debility the results have been excellent. In constipation, fair; fallen arches, fair.

It is too soon to judge of the results as to their permanency but of special note is the fact that in the use of physical-therapy patients feel that much is being done for them and the mental effect upon them is apparently considerable.

PERSONAL HYGIENE.

In 1927 this department was equipped for the purpose of encouraging our women to take better care of their personal appearance. The operation of this department through the year has demonstrated its value beyond question. It is confidently believed that a stimulated interest in one's personal welfare and appearance makes for a better mental attitude and this should have a beneficial influence in assisting in recovery or a betterment of certain mental states. It would be a mistake to become over enthusiastic over this or similar attempts to better the condition of patients and to assume too much as to its curative effect.

The department here was received with much favor, the interest has been sustained and its facilities fully utilized. A material improvement in the appearance and feeling of well being of the women who have received the benefits of this department has been seen. It has had an influence in the betterment of their condition.

The room equipped to care for the troublesome conditions of the feet has been of special benefit.

The use of this Personal Hygiene Department is shown as follows: Number of different patients treated, 405. Treatments given: waves, 1,809; shampoo, 1,873; massage, 1,419; cosmetics, 1,641; oil treatment, 321; hair cut, 588; hair removed from face, 405; hair removed from neck, 247; manicure, 1,479. Corns treated, 601; callouses, 362; club nails, 27; ingrowing nails, 39; blisters, 6; infections, 25.

OCCUPATIONAL THERAPY.

This branch of hospital activity has been successfully continued, it being, in fact, the main idea in mind at the time the Colony was established. Occupational Therapy includes all activity to which patients are assigned by physicians just as much the work of the farm and in construction as in the occupational rooms with diversional therapy.

Following out the original idea of the Colony, as many men as possible have been occupied on the farm and in construction and they have not only been better for it but the return to the patients themselves has naturally been considerable. In this part of the work if patients are properly assigned to it and proper supervision given it is just as important occupational therapy as lesser work indoors. It is in many ways more interesting and constructive because during the work progress can be followed and worth-while results obtained which is always gratifying to any worker.

Occupational Therapy as carried on indoors for women has been under the active direction of four occupational therapists, in addition to the supervisors of various buildings and cottage groups. It has been of two distinct forms: the minor diversional occupation for those who are infirm, convalescent and those with more weakened minds, and that for those of higher mentality who are able to do constructive work. In this latter group interest is much more keen in making the worth-while things used in the hospital and interest has been stimulated along these lines.

For both groups, however, there seems to be particular interest in working with colors and very special interest has been shown in making various forms of decoration for the Assembly Hall and other rooms for parties, special entertainments or for their own use. Outstanding interest has been shown in the making of paper flowers, tinsel, and other decorative features for the Assembly Hall where several hundred patients have full enjoyment of them throughout the year, they being changed at intervals so that interest is maintained.

On the men's side four instructors have been employed throughout the year directing weaving, broom, brush, mattress and rug making; the making of all shoes and all clothing for both men and women and all furniture. Comparatively few of our men can be interested in minor diversional occupation but prefer to engage in some constructive occupation where they see very definite results. They are not so much interested in things artistic and beautiful as they are in the useful. Indoor occupations have been stimulated in buildings where patients are not able to go to the industrial rooms. Out-door occupation for women has been somewhat stimulated but not to the degree that it should be. Walks, picnics, parties, and berry picking have been much enjoyed. Tables following this report

show the articles made in the Occupational Department that are of use. It is, of course, impossible to show in these tables the processes used in stimulating and training patients during which a large amount of instruction is given which does not result in completed articles.

DIVERSION.

The two chief forms of diversion and entertainment enjoyed by patients are dances, (the music for which is furnished by the band of the Colony) and motion pictures. A series of motion picture entertainments were given for twenty weeks during the winter months and upon other special occasions. The pictures are usually a seven or eight reel feature picture and a two reel comedy. Special entertainments have been provided at Christmas, New Year's, Easter, May Day and July 4th.

The Annual Field Day was held on October 3. It was an all day out-of-door event. The merry-go-round was much enjoyed during the summer and fall. Band concerts have been given out of doors during the summer months. Ball games have been held at frequent intervals throughout the summer. As in former years patients have been sent to fairs in this neighborhood and to circuses. In addition to entertainment and diversion for our entire population, games, walks, etc., have been provided for the smaller groups.

MEDICAL.

There have been several changes in the Medical Staff. The services of Dr. William B. Smith were concluded in February. Dr. Harold K. Marshall was selected to fill this vacancy in February. Dr. Frederick P. Moore was appointed Senior Assistant in March so that we now have a full Staff for the first time in several years. A Pharmacist was appointed in February, this position being newly created.

The Worcester North District Medical Society met with us on October 23. Staff meetings have been held daily throughout the year; and a course of lectures in Mental Hygiene, under the auspices of the Department of Education cooperating with the Department of Mental Diseases and Society for Mental Hygiene, was given in Greenfield.

EMPLOYEES.

Changes among the employees were less this year than usual. While the heads of departments and those in more important positions are relatively stationary, a considerable turnover occurs each year in those recently appointed to the ward service.

There are employed at the Colony 209 persons. During the year 340 were appointed, 113 terminated their services by resignation or discharge. These 340 persons were employed in 223 positions which was a rotation of 1.52. This was lower than previous years which averaged about 2.5. The daily average number of all employees during the year was 207.88, showing that all positions were filled practically continuously. The ratio of all employees to patients has been 1 to 4.49 and the ratio of ward employees to patients is 1 to 11.25.

RELIGIOUS SERVICES.

Religious services have been held each Sunday for those of the Catholic faith and alternate Sundays for those of Protestant faith. Twice monthly Jewish services are held.

Those of Catholic faith have received active direction and spiritual consolation by Rev. James R. Reilly and his associate of Otter River, both of whom have made frequent calls day and night. Protestant services have been conducted by pastors of local churches in turn who also have paid frequent visits. Jewish services are directed by Rev. Moses L. Sedar of the Federation of Jewish Charities of Boston.

Since the installation of the pipe organ in the chapel which was given by the officers of the Colony, the services have been made very much more attractive and a choir at each service has made the religious services much more as they should be. Special services have been held Christmas and Easter which have been a great credit to those who have assisted and fully appreciated by all patients and officers alike.

FINANCIAL.

There was appropriated for maintenance \$424,091.75. There has been expended \$409,500.41. We returned to the Treasury \$14,591.43. The balance could have been used to especially good advantage as our needs are pressing in many directions but it has seemed unwise to further increase our per capita cost which this year is \$6.89. In 1927 it was \$6.71, and in 1926, \$6.44. The increased per capita cost is shown to be due chiefly to the increased per capita cost of personal service, \$3.32 over \$3.19 last year; food \$1.02 over \$.92 last year; clothing \$.26 over \$.21 last year; furnishing and household supplies \$.32 over \$.29 last year. Over a period of five years the per capita cost has increased from \$6.53 to \$6.89 an increase of 36 cents. The total food costs for the past year have been, in spite of all our efforts \$6,000 more than the original appropriation. It was necessary to obtain an additional appropriation of \$3,000 and a transfer of \$3,000 from other items. This is due to two reasons: the increased cost of food stuffs in general and to a poor season on the farm which resulted in fewer vegetables being delivered to the kitchens. The farm averaged 11.36 ounces for patients per day delivered to the kitchen whereas in previous years the average has been between 15 and 20 ounces.

Careful attention has been paid to the dietary conforming to the basic dietary for all hospitals which in general and with us seems to be satisfactory but with us only provided we have a successful year on the farm, allowing us to feed farm products in excess of the basic dietary. When farm products are less it immediately shows in the weight of our patients. This is due largely to the fact that our patients are occupied in heavy work requiring muscular exercise, upon the grounds, the farm and in construction so that the required diet for these cannot be compared with the diet for patients who are engaged in light hospital occupation. The loss of weight of patients has caused us considerable concern. If repeated poor farm crops continue it will not be possible to continue the laborious occupations on as large a scale as formerly.

CONSTRUCTION AND REPAIRS.

A special appropriation of \$1,000 has enabled us with the cooperation of the town of Westminster and the Division of Highways, Department of Public Works, to complete that part of the road leading to the Colony within the town of Westminster. One half of this work was done in 1927, one half mile, and the remaining three fourths mile has been completed this year.

Fifteen thousand four hundred dollars was appropriated for additional filter beds. Seven additional beds have been constructed under the direction of Engineer J. J. Van Valkenburg but with our own labor. These beds are now in use. With these beds we now have double the former capacity. The construction of these beds by our labor has proved to be a long and difficult task occupying eight of our mechanical force and an average of 80 patients for several months, but this method of construction is in line with the original intent when the Colony was established and has resulted in a very material saving to the Commonwealth.

An appropriation of \$11,500 was granted for the re-location of sidetrack and construction of coal trestle. Several surveys and studies of this have been made but at this time no plan satisfactory to the Boston and Maine Railroad has been arrived at. From the studies made and additional requirements presented by the railroad company it would appear that the appropriation granted for this will not be sufficient.

Money was appropriated for two bungalows for married employees. These bungalows have been erected, interior finish is now being applied and they will be ready for occupancy early in the spring.

A new building has been erected at the salvage yard which doubles its capacity. There have been laid 1,650 feet of 6-inch water pipe between the Wachusett and the Westminster Cottages. This completes the water line circuit to all of the outlying colonies which provides a constant supply of water in case of fire and allows for necessary repairs to the line without interruption of service.

At the laundry there has been installed an additional tumbler dryer which more than doubles the former capacity for drying. An American four-pocket 72-inch metal washer has been installed and also an American collar and cuff ironer. We are installing at the present time a four-rack stationary dryer for officers' clothing. This brings the laundry equipment up to a desirable standard of efficiency.

In the kitchen an Autosan dishwasher has been installed.

In the new Treatment Building the following physical-therapy equipment has been installed: 1 Burdick Professional Special Bath Cabinet; 1 Burdick Self-contained water-cooled Ultra Violet mobile unit; 1 Engeln Portable Diathermy; 1 Engeln Cabinet Model Diathermy Outfit; 1 Morse Wave Generator, complete; 1 Burdick Super Standard Air Cooled Quartz Lamp; 1 Burdick Zoalite; 1 Burdick Oscillator; 1 Z-12 Zoalite; 1 Z-30 Zoalite.

GENERAL REPAIRS AND IMPROVEMENTS.

One half of the greenhouse in use over twenty years has been rebuilt.

The present coal trestle has been kept in repair as required by the Boston and Maine Railroad.

The Ash Cottage, an employees' cottage for twelve, nearing completion at the time of the last report, was occupied February 3. The Catalpa Cottage attic has been rebuilt giving an additional room lighted by a dormer and a stairway constructed. At the Hillcrest Cottage fireproof vegetable and coal rooms have been built and the ceilings of the basement made fireproof. The ice chest has been rebuilt. A wagon and implement shed has been constructed at the Belcher Cottage. One cottage at the Gardner Group has been re-shingled, asbestos shingles being used.

New electric lighting fixtures have been installed in the Men's Infirmary and the Administration Building. Cement floors of the toilets of the Men's Infirmary have been replaced with terrazzo. Ceilings in the various buildings needing repair have been replaced with sheet rock which we believe will prove better and far longer lasting.

At the Power House an additional hot water heater has been installed with an auxiliary centrifugal pump. There has also been installed a boiler water feed pump. Two boilers have been re-tubed and all boilers are in good condition but all over twenty years of age.

The usual amount of painting has been done by patients under the direction of one employed painter. The cow barn has been painted twice inside, one coat each in the spring and fall. The Ash Cottage and the Belcher Cottage have been painted both inside and out. Both Men's and Women's Infirmaries have been painted inside throughout; and the following buildings have been painted outside: Overlook Cottage; Highland Cottage; Women's Infirmary; Hospital; Valley House and Annex; Laundry; Garage; Machine Shop and Paint Shop.

Four new farm wagons have been built and four wagon bodies; and 950 pieces of furniture have been re-finished.

FARM.

Farm operations have been under the supervision of Hall C. Bowman, Head Farmer, who, with his associates, has been most active. If farm operations could be measured entirely by the interest taken, the farm returns would be most satisfactory, but like farming in any year, in any locality, the actual returns have been decided by weather conditions more than activity of operation and interest shown.

The year has been a most discouraging one. The late spring made it impossible to begin farm operations until May, a month later than usual. Many seeds had to be replanted because of the cold and rainy spring and a general re-adjustment of the planting plan frequently made. Farm products did not arrive in our kitchens until July.

Encroachment had to be made into the land from which we expected hay. After the cold and wet spring, summer gave promise still of bringing crops through satisfactorily but in September came more wet weather which caused delay in maturity of crops and especially of rotting potatoes.

We had every reason to expect a large potato crop this year (4,500) which crop in growing had been given unusual care and treatment, but rot before harvesting reduced the crop to 2,800 bushels, which will not be sufficient to meet our needs.

It seems to me to be a mistake in this location to prescribe too closely the apparent necessary acreage of each crop to meet the need of the probable number of patients, based on the ideal season, because ideal seasons are not the rule and this year is the second in succession when we have failed to produce according to a pre-conceived plan of a prescribed number of acres for each crop. I have always

advised that in this locality, and considering the doubtful chances of raising full crops as planned, and as dependent as we are upon farm crops for an economical feeding of our population, that larger acreages of crops be planted. The year is an exceptional one when more crops are produced than can be economically used.

The dairy situation has been an interesting one here. In 1921 a herd of 65 cows were tubercular and the average production of milk per cow was 9,000 pounds produced at a cost of \$.0745. The work of cleaning up the herd from disease was begun and it is a great satisfaction to report that in 1928 the new herd passed Federal and State tests successfully for the third time. In addition, we have reduced the number of cows necessary for our milk supply to 53 and have increased the average production to 13,216 pounds at a cost of \$.067 per quart. This building up of the herd has been due to the interest and the constant attention given to the situation; by the immediate removal of new-born calves from their mothers; by careful selection of breeding stock and in breeding and by frequent elimination of low producing and unfit animals. The time has long since passed when it is profitable to board cows and the elimination of the unprofitable ones has been severely practiced.

The production of milk and beef have reached the point, or rather we have brought our viewpoint to the fact, that it is purely a business proposition just as the manufacture of any article of commerce. The cows are now considered pretty much the same as machines, made to produce at a profit and eliminated as promptly as unprofitable.

For two years we have had trouble with the introduction of contagious abortion in our cows and for a time this looked serious. This year, however, two only have been affected. For the first time this year hemorrhagia septicæmia made its appearance in our heifers and three heifers were lost. Treatment of the entire lot of heifers was immediately done and the situation controlled. It is apparent that it will be necessary to treat all heifers annually for this in the future.

The breeding and care of swine has received increased attention this year. The number carried has been the same as last year and the production of pork practically the same but the condition and the weight of the entire herd at the end of the year show marked improvement. The raising of pork this year shows a loss of \$252.57. Making a profit in raising pork seems difficult when the table waste is reduced to a minimum and grain is purchased, particularly as swine seem very prone to disease. The cost of grain this year was \$.460 more than last year or a total of \$134 more than for 1927. Mention may be made here that immediately after the close of the year while this report was in preparation we have been plunged into a serious situation because of an outbreak of Hog Cholera due, we are convinced, to insufficient immunization, although immunization has been faithfully carried out through the year under the direction of the Bureau of Animal Industry. Such immunization apparently is not sufficient and more intensive immunization is now being practiced.

Better success with poultry has been obtained this year than formerly. The 2,000 day-old chicks purchased were of better stock than last year. The loss during the first three months has been less and they have developed better. Egg production has been increased to 109 per hen and the cost of production reduced. The poultry department this year shows an increase of \$1,000 more in eggs, \$208 more in meat, and an increase of \$295 in the inventory at the end of the year. The total cost of the operation of the Poultry Plant was \$3,834.09 showing a profit of \$1,440.47.

A large amount of work has been done in clearing up fields, working upon roads, and assisting in construction. A fair estimate of rocks removed from fields is \$6,850 tons. Of this, 3,425 tons have been used in road construction, 1,500 tons in the construction of walks and 30 tons have been crushed. The number of square yards of gravel road resurfaced was 4,377, and the cubic yards of gravel moved and used in construction, 1,068. Four acres of rough land have been cleared of stone and put under cultivation; five acres have been partially cleared and 44 acres have been cleared of underbrush; 46,500 feet of lumber have been cut and sawed; 510 cords of firewood cut and sawed; 230 fence posts and 600 stakes cut; 2,200 tons of ice harvested.

We have continued re-forestation work this year; 5,000 red pine, 5,000 white

pine and 5,000 Norwegian spruce seedlings were planted. The number of MacIntosh apple trees set out was 125.

PRINTING.

For five years now the Printery established here by the Department of Mental Diseases has done all form printing for the fifteen hospitals under the supervision of the Department, printing required by the Department, and all legal forms used by the courts in commitment. There are now 200 standard institution and inter-department forms used by all hospitals as well as 288 Department standard forms used largely for medical records. In addition to the printing of forms the annual reports of fourteen hospitals have been printed, the annual report of the Department of Mental Diseases and two quarterly publications of the department. As many as 35,000 Christmas folders of eight pages each were printed in colors.

The equipment of the Printery is 4 automatic presses, 3 job presses, machines for paper cutting, blocking and stapling. A Head Printer and an Assistant Printer is the organization of this Department assisted by 18 patients. By the operation of this plant a considerable saving has naturally been made. The outstanding feature is that of occupation for the patients. It is the type of work in which the patients take great interest being perhaps one of the most interesting forms of occupation for men that we have.

This Department has been located in the laundry building but as the growth of the hospital continues it will be necessary to use this space for laundry purposes and a separate building for the Printing Plant is requested by the Department of Mental Diseases for 1929. Temporarily a part of the space vacated will be used for weaving in connection with our textile department inasmuch as it is impossible to add more looms on the floor in the Industrial Building given over to textile work.

RECOMMENDATIONS.

Following the recommended development over a ten-year period, prepared in 1926, the following needs are presented for which special appropriations are requested in 1929:

1. Treatment Building for Disturbed Men. This would be essentially a duplicate of a building built for women in 1927. This building would house 86 patients and contain rooms and equipment for the proper treatment for disturbed mental conditions. We have no such provision for the treatment of men at the present time and on the date of this writing have 41 men who are in need of active treatment in order to promote improvement or recovery and control excitement which may be continuous or periodic. At the present time these men are distributed among the various buildings but they are chiefly cared for in the Men's Infirmary where there are 186 patients. It requires no lengthy description here to make evident the need of treatment for the benefit of those needing it and for the benefit of those 140 other men who are compelled to be in close daily and nightly contact with patients of this type. This building is very urgently needed.

2. Dairy Building. We have a splendid herd of cows free from Tuberculosis and accredited producing an average of over 13,000 lbs. of milk each per year. Milking is done by electricity. It is strained, clarified and pasteurized. The latter operations are done in a room entirely unsuited for the purpose, unsanitary, and used also for the washing of utensils, cans, the keeping of records and supplies, and the heating facilities are a positive menace. It is proposed that we build a small dairy building entirely removed from our present cow tie-up to provide a separate room for washing of utensils, a sterilizing room and pasteurizing room and a room for the preparation of milk, a boiler room which will make for safety not alone for this building but for the entire group of barns with which the present building is now connected.

3. Printery Building. A Printery in which all forms, annual reports and allied printing for fifteen hospitals and the Department of Mental Diseases was organized here by the Department of Mental Diseases and has been in operation for five years. It was located in the Laundry Building in a space not then actually needed, but development of this plant during the five years has now reached a point where a separate building is needed. Such a building would make for efficiency of the printing operations and would make available the space now occupied for other purposes.

REPAIRS AND RENEWALS.

Under this heading is included such repairs, extensions and equipment which are not properly annual repairs.

1. Cement Vault for Records. The law required that all records be kept in a fireproof vault. We have no suitable provision for complying with the law.

2. Sprinkler System for Attics, Hallways and Basements of the Men's and Women's Infirmarys. These buildings house 186 patients each. They are of semi-fireproof construction having wood floors, stairs and wood roofs. A fire occurring in either of these buildings might easily become very disastrous. Men working out of doors leave their work clothes in the lockers in the basement and only recently a fire was discovered in the clothing in a locker due to leaving a hot tobacco pipe in the pocket. On another occasion a patient had set fire to a mattress on the top floor. This fortunately was immediately discovered.

3. Wire Mesh for Stair Halls in Men's and Women's Infirmarys. To prevent suicidal attempts by throwing one's self over the railing to the floors below. Three attempts have been made but fortunately there have been no serious results.

4. Fence and Yard for Four Bulls. Bulls are not properly and safely housed at the present time and have no suitable yard for exercise.

5. Fireproof Roofing for 14 Buildings. These are now covered with wood shingles. Three times in the past year three fires have occurred upon the roofs due to sparks from the chimneys. We have had sufficient warning that this risk should not be continued and asbestos shingles would seem to be the answer.

6. Flour Mixing Equipment. The present dough mixer has been in use for 15 years, is worn out and must be replaced. It is recommended that a two and one-half barrel mixer be installed.

7. Ventilating System for Hoods and Dishwashers in Kitchen and Serving Rooms. Hoods without forced draft will not ventilate. An exhaust fan system is recommended.

8. Power House and Machine Shop Needs. Several items are included here: an oil tank with pump for the proper handling of oil. A vacuum pump to properly circulate steam to the buildings. A carload of red cedar poles for outside wiring and the re-tubing of one boiler.

9. Building on top of Vegetable Cellar. The present vegetable cellars, 40' x 40' x 10' are built underground. It is recommended that on one of these a building be constructed where can be stored such vegetables as onions, squash, etc., which do not keep well underground. This would also serve as storage for light farm machinery.

10. Pneumatic Press for Laundry. This is needed because of the growth of the institution.

11. Repairs to Coal Trestle. This is an annual request due to the fact that the Boston and Maine Railroad requires annual repairs which will be necessary until a new sidetrack and coal trestle is constructed.

12. Repair Chimney at Power House. This is a Heinicke circular chimney built years ago and has required no repair since. It now needs re-pointing throughout the entire upper third and the top rebuilt.

13. Re-building entrances to three Vegetable Cellars. The retaining walls to these cellars are falling down and repairs are essential.

14. Subway to Paint Shop and Store. The store is located 525 feet beyond the Power House at a much lower level. Steam pipes installed to this building 20 years ago are in need of replacement and it is recommended that they be replaced within a small cement subway where they can be properly covered and cared for.

All of the above work with the exception of the Treatment Building would be done by our own labor and without the aid of an architect.

ACKNOWLEDGMENTS.

Books and magazines were received from the following: Chas. A. Barnard, Gardner; Dr. Colby, Gardner; Mrs. Frank Dunn, Gardner; Mrs. Herbert Bruce, Gardner; George F. Tucker, Gardner; Walter Beaman, Gardner; W. E. Hubbard, Gardner; Dr. A. F. Lowell, Gardner; Dr. P. J. Grant, Gardner; Massachusetts General Hospital, Boston; Leighton Cleaves, Gardner; Fred A. Whitney, Leominster; Mrs. Harold Drake, Gardner; Miss Frances Danforth, Gardner; Chas.

F. Houghton, Worcester; Mrs. Ruth Cleaves, Gardner; Mrs. J. C. Putnam, Leominster; Mayos Drug Store, Gardner; Mrs. A. E. Taylor, Gardner; Mrs. Peckett, Worcester; Mrs. Chase, Worcester; Mrs. C. E. Thompson, East Gardner; Mrs. Frederic Moore, East Gardner; Herbert J. Larkin, East Gardner; Elks Lodge, Gardner; song books, Helen Nutting, Ashburnham.

Religious literature was received from the following: George A. Dunn, Gardner; Rev. Winfield S. Randall, Westminster; Mrs. Chas. Scales, Ashburnham; Christian Science Distributing Committee, Leominster.

Miscellaneous articles as follows were also received: playing cards, Helen Nutting, Ashburnham; Mrs. Amie H. Coes, Worcester; magazine subscription money was donated by Mrs. Amie H. Coes, Worcester; passover bread, oranges, etc. for Jewish patients from Federation of Jewish Charities; pictures, clothing, pieces suitable for rugs, Mrs. F. J. Lothrop, Mrs. Leadbetter, Leominster; gum, cigarettes, tooth paste, cards, talcum powder, Veterans of Foreign Wars Ladies Auxiliary, Braintree Highlands; box of hats, Herbert White, Gardner; Victrola records, Mrs. Frank Emery, Fitchburg; 3 Belgian hares, Percival Henry, Rock, Mass.; 2 dolls, Mrs. O. M. Sargent, So. Royalston; 5 coats, 5 pairs trousers, 1 vest for general use, Mrs. F. Shaw, Leominster.

In concluding this report I wish to record my appreciation of the spirit of earnest and friendly coöperation that has been shown again the past year by those associated with me daily in the work and to you the members of the Board of Trustees for your consideration, advice and assistance.

CHARLES E. THOMPSON, *Superintendent.*

INDUSTRIAL DEPARTMENT.

WORK DONE BY WOMEN.

The following work has been done by women: Aprons, various kinds, 731; bags, various kinds, 326; bandages, 228; baskets, various kinds, 91; bedspreads, 137; belts, adhesive, 7; belts, sanitary, 72; bibs, 8; binders, abdominal, 11; blankets, 687; bloomers, 4; blouses, 6; buffet set, 1; bureau covers, 13; burlap, colored, 626 lbs.; caps, various kinds, 473; caps, housemaids', 8; caps, night, 50; caps, waitress, 176; centerpieces, 30; chair covers, 8; chemises, 240; coats, 859; corset covers, 111; combinations, 203; couch cover, 1; collar and cuff set, 1; curtains, 175 pairs; curtain material, woven, 42 yds; sofa cushions, 89; diapers, 49; doilies, various kinds, 587; dresses and bungalow aprons, 1,123; fomentation cloths, 32; handkerchiefs, 36; handkerchiefs, painted, 6; holders, 144; holders, embroidered, 15; hot water bottle covers, 4; ice bag covers, 2; ice collars, 6; ice collar covers, 2; jumpers, 125; lace, crocheted, 221 yds.; lace, hairpin, 29 yds.; lace, tatting, 21½ yds.; lamp shades, 3; luncheon sets, 7; mattress ticks, 244; mittens, 830 pairs; neckties, 634; night-shirts, 120; overalls, 415 pairs; panels, door, 3; napkins, 22; pads, bed, 2; petticoats, 269; pillows, various, 38; pillow ticks, 34; pillow slips, 399; princess slips, 5; patterns, 20; pillows, sweetheart, 4; pillows, baby, 2; pillow tops, embroidered, 16; pillow slips, cretonne, 3; pin cushion, 1; puff, bed, 2; quilts, 2; rags, dyed, 1,687½ lbs.; robes, bath, 73; robes, burial, 62; rugs, 445; rug, silk, 1; rings, crochet, 16; scarfs and shawls, 56; scarfs, hand painted silk, 2; shirts, men's outside, 877; sheets, 1,781; socks, bed, 62; socks, men's, 5,025 pairs; stockings, 1,204 pairs; stockings, knitted, 2 pairs; slippers, blanket, 37 pairs; suspenders, 190 pairs; tablecloths, 154; table runners, 69; tie backs, 42; towels, dish, 12; towels, hydro, 12; towels, officers', 1,042; towels, patients', 1,013; towels, sanitary, 1,134; towels, embroidered, 29; tray cloths, 5; tub covers, 30; tub hammocks, 31; underdrawers, men's, 986 pairs; underdrawers, women's, 662 pairs; undershirts, men's, 588; undershirts, 191; union suits, 3; vases, 82; vanity sets, 19; vests, 17; wash cloths, 256; novelties, 129; yarn dyed, 40½ lbs.; yokes, crocheted, 2. Articles made from crêpe paper: baskets, 294; blossoms, 3,202; border, 183 yds.; birds, 626; aprons, 32; caps, 35; neckties, 12; trees, 11.

The following mending has been done during the year: Altar cloth, 1; aprons, 419; bags, coffee, 12; bags, laundry, 129; bags, miscellaneous, 29; bathrobes, 9; bedspreads, 63; bed puffs, 2; blankets, 84; bloomers, 24; caps, 5; chemises, 287; coats, 776; combination suits, 120; corsets, 13 pairs; corset covers, 43; dental chair covers, 42; doilies, 16; drawers, 896; dresses, 2,583; flags, 7; gowns, surgeon, 4; holders, 24; hose, 10,156 pairs; jumpers, 2,060; kimona, 1; kitchen pads, 20;

lamp shades, 6; mattress ticks, 3; mittens, 11 pairs; nightgowns, 1,177; overalls, 2,435 pairs; princess slips, 19; petticoats, 1,352; pillow slips, 84; pillow ticks, 2; rugs, 65; screens, 11; shirts, 4,492; sheets, 154; shawls, 3; slippers, bed, 2 pairs; sweaters, 69; tablecloths, 12; towels, 320; trousers, 2,836 pairs; tub covers, 71; tub hammocks, 61; union suits, 417; undershirts, 2,152; underdrawers, 2,026 pairs; valances, 28; vests, 303; wash cloths, 24.

TEXTILE DEPARTMENT.

The following work has been done in this Department: Bedspread material, 353¾ yds.; blanket material, 1,553¾ yds.; brooms, corn and barn, 483; brushes, 430; cocoa mats, 9; denim, 359 yds.; gingham, 3,327½ yds.; Khaki cloth, 2,366½ yds.; mattresses, new, 108; mattresses, remade, 105; pillows, 32; pillows, remade, 11; pocketing material, 186½ yds.; pads, mattress, 2; mats, special, 2; sheeting, 2,890 yds.; shirting, 2,074 yds.; strong cloth, 878½ yds.; reefer lining, 196½ yds.; toweling, 2,909 yds.; underwear material, 2,767¼ yds.; mitten wristlet material, 431 yds.; underwear wristlet, 431½ yds.; socks, 5,025 pairs; stockings, 1,204 pairs.

Repair Work: Blow out patches, 14; chairs, repaired, 6; cocoa mat repaired, 1; cushions recovered, 2; divans, recovered, 4; long handled floor brushes repaired, 4; mattress tufts cut, 51,400.

FURNITURE DEPARTMENT.

Following is a list of work done in the Furniture Department: baskets, waste, 46; bedside tables, 13; bed screens, 8; census board, 1; chiffoniers, 15; davenport tables, 2; desk spindles, 8; dining chairs, 26; double screen, 1; fire screens, 15; index box, 1; mirrors, 18; settees, 9; shades, 66; rollers, 5; typewriter table, 1; stretchers, 3; wardrobes, 2.

Repair Work: Auto curtains, 9; bedside tables, 29; brush, 1; camera, 1; chairs, repaired, 412; wheelchairs, 2; checker boards, 11; clocks, 4; couches, 10; chiffoniers, 7; desks, 2; dressers, 3; drawers, 14; knives sharpened, 14; mirrors, 7; locks, 5; looms, 2; plate holders, 2; picture frames, 15; screens, 2; scale, 1; settees, 27; swabs, 29; stools, 2; shades adjusted, 136; sewing tables, 9; scissors sharpened, 87; tables, 19; towel rack, 1; wheelbarrows, 2; victrolas, 9.

WORK DONE IN SHOE DEPARTMENT.

Brogans, 164 pairs; mattress covers, rubber, 11; mitten leathers, 792 pairs; pillow slips, rubber, 2; shoes, men's, 285 pairs; shoes, women's, 111 pairs; slippers, 234 pairs; suspender tips, 715; aprons, rubber, 2.

Repair Work: Art squares, 2; auto curtains, 22; auto cushions, 2; blankets, storm, 4; baseball shoes, 2; baseball bases, 6; blanket, horse, 1; bag, tool, 1; belts, leather, 8; breeching straps, 2; sewing canvas, 1; couch, leather, 1; desk pads, 3; grommets in curtains, 25; halters, 13; hobbles, 4; harness girths, 4; horse collars, 3; filter press cloths, 10; mattress covers, rubber, 19; oiling harnesses, 3 sets; martin-gales, 2; rein snaps, 7; rubber heels attached, 248 pairs; shoes, officers', 271 pairs; shoes, patients', 2,468 pairs; shaft tugs, 3; spread ring straps, 4; sweat pads, 2; saddles, 2; suitcases, 2; strap hames, 5; trace yoke, 1; traces, express, 7; team harnesses, 9; team reins, 20; bridle, 1; wooden leg, 1.

WORK DONE IN THE TAILORING DEPARTMENT.

Caps cut, 687; caps pressed, 501; coats made, 834; chemises cut, 291; dresses cut, 740; jumper and overalls cut, 456; nightgowns, women's, cut, 223; nightshirts, men's, 325; officers' clothes pressed, 783; patients' clothing repaired, 2,513; reefers cut, 81; shirts, men's outside, 664; trousers cut, 814 pairs; trousers pressed, 701 pairs; underwear, men's cut, 1,389; underwear, women's cut, 672; vests cut, 12; vests pressed, 8.

VALUATION.

November 30, 1928.

REAL ESTATE.

Land, 1,856 acres	\$37,350.00
Buildings	1,038,923.09

\$1,076,273.09

PERSONAL PROPERTY.

Travel, transportation and office expenses	\$100.00
Food	8,564.17
Clothing and materials	30,451.15
Furnishings and household supplies	172,815.05
Medical and general care	5,132.96
Heat, light and power	10,520.10
Farm	47,519.09
Garage, stables and grounds	9,920.07
Repairs	17,831.54

\$302,854.13

SUMMARY.

Real estate	\$1,076,273.09
Personal property	302,854.13

\$1,379,127.22

FINANCIAL REPORT.

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1928.

CASH ACCOUNT.

Receipts.

<i>Income.</i>		
Board of Patients	\$29,876.51	\$29,876.51
Personal Services:		
Reimbursement from Board of Retirement		136.87
Sales:		
Food	\$3,085.27	
Clothing and materials	328.13	
Farm:		
Pigs and hogs	2.00	
Hides	290.03	
Sundries, poultry	1.72	
	<u>293.75</u>	
Repairs, ordinary, bbls. and junk	282.24	
Arts and Crafts sales	857.97	
Keys	5.00	
Total sales	<u>4,852.36</u>	
Miscellaneous:		
Interest on bank balances	\$772.67	
Rent	908.49	
Sundries, com. on telephone calls	23.04	
	<u>1,704.20</u>	
Total income		\$36,569.94

MAINTENANCE.

Balance from previous year, brought forward	\$2,741.75
Appropriations, current year	421,350.00
Total	\$424,091.75
Expenses (as analyzed below)	409,494.80
Balance reverting to Treasury of Commonwealth	\$14,596.95

Analysis of Expenses.

Personal services	\$197,104.68
Religious instruction	1,316.00
Travel, transportation and office expenses	4,070.64
Food	60,693.92
Clothing and materials	15,332.61
Furnishings and household supplies	18,911.33
Medical and general care	17,995.66
Heat, light and power	33,221.39
Farm	30,991.60
Garage, stable and grounds	6,789.94
Repairs, ordinary	14,725.19
Repairs and renewals	8,341.84
Total expenses for maintenance	\$409,494.80

SPECIAL APPROPRIATIONS.

Balance December 1, 1927	.	.	.	.	.	.	.	.	\$24,457.99
Appropriations for current year	.	.	.	.	.	.	.	.	32,700.00
Total	.	.	.	.	.	.	.	.	\$57,157.99
Expended during the year (see statement below)	.	.	.	.	.	.	.	\$33,439.65	
Reverting to Treasury of Commonwealth	.	.	.	.	.	.	.	8.47	
									\$33,448.12
Balance November 30, 1928, carried to next year	.	.	.	.	.	.	.	.	\$23,709.87

OBJECT.	Act or Resolve.	Whole Amount.	Expended During Fiscal Year.	Total Expended to Date.	Balance at End of Year.
Employees' Cottage	1927-138	\$12,000.00	\$1,687.90	\$11,797.40	\$202.60
Bldg. for Semi-Dist. Pa- tients	1926-79	150,000.00	5,506.79	146,631.69	3,368.31
Highway Rep. in West.*	1927-138				
Food Conveyors	1926-138	1,000.00	126.02	999.40	.60
Add'l. Filter Beds	1926-79	3,850.00	2,919.81	3,847.87	2.13
	1927-138	15,000.00	13,821.84	13,821.84	1,178.16
	1928-127				
Laundry Machinery	1927-138	7,000.00	701.81	6,842.29	157.71
Add'l. Water Supply	1924-126	42,000.00	366.89	36,699.25	5,300.75
	1926-398				
Coal Trestle*	1926-79	1,500.00	108.80	1,492.13	7.87
Officers' Cottages	1928-127	10,000.00	8,165.41	8,165.41	1,834.59
Coal Trestle and Side Track	1928-127	10,700.00	.....	.....	10,700.00
Rep. Road Westminster	1928-127	1,000.00	34.38	34.38	965.62
		\$254,050.00	\$33,439.65	\$230,331.66	\$23,718.34

Balance reverting to Treasury of the Commonwealth during year (mark item with*)	.	\$8.47
Balance carried to next year	.	-
Total as above	.	\$23,709.87

PER CAPITA.

During the year the average number of inmates has been	1,084.388 (At Hospital)
	52.818 (Family Care)
	1,137.206

Total cost for maintenance, \$409,494.80.
 Equal to a weekly per capita cost of \$6.8869 (52 weeks to year).
 Receipt from sales, \$4,852.36.
 Equal to a weekly per capita of \$.0816.
 All other institution receipts, \$31,717.58.
 Equal to a weekly per capita of \$.533.
 Net weekly per capita \$6.2723.

Respectfully submitted,

GERTRUDE W. PERRY, *Treasurer.*

STATISTICAL TABLES.

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION
 PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES.

TABLE 1. *General Information.*

Data correct at end of hospital year, November 30, 1928.

1. Date of opening as a hospital for mental diseases, October 22, 1902.	
2. Type of hospital: State.	
3. Hospital plant — Value of hospital property:	
Real estate, including buildings	\$1,076,273.09
Personal property	302,854.13
Total	\$1,379,127.22
Total acreage of hospital property owned: 1,856.	

4. Officers and Employees:

	Actually in Service at End of Year.			Vacancies at End of Year.		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant physicians	3	1	4	—	—	—
Clinical assistants	—	—	—	1	—	1
Total physicians	4	1	5	1	—	1
Stewards	1	—	1	—	—	—
Resident dentists	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	—	4	4	—	—	—
Other nurses and attendants	56	40	96	1	3	4
Occupational therapists	4	5	9	1	—	1
Social workers	—	—	—	—	1	1
All other officers and employees	47	45	92	3	4	7
Total officers and employees	114	95	209	6	8	14

NOTE: — The following items, 5-9, inc., are for the year ended September 30, 1928.

5. Census of patient population at end of year:

	Actually in Hospital.			Absent from Hospital but Still on Books.		
	M.	F.	T.	M.	F.	T.
White:						
Insane	598	401	999	38	42	80
Mental defectives	44	27	71	6	6	12
All other cases	5	—	5	4	2	6
Total	647	428	1,075	48	50	98
Other races:						
Insane	13	8	21	—	—	—
Mental defectives	1	—	1	—	—	—
Total	14	8	22	—	—	—
Grand Total	661	436	1,097	48	50	98

6. Patients under treatment in occupational-therapy classes, including physical training, on date of report

7. Other patients employed in general work of hospital on date of report

8. Average daily number of all patients actually in hospital during year

9. Voluntary patients admitted during year

Males.	Females.	Total.
—	—	—
—	—	—
653.292	426.509	1,079.801
5	—	5

TABLE 2. *Financial Statement.*

See treasurer's report for data requested under this table.

NOTE: — The following Tables, 3-19 inclusive, are for the statistical year ended September 30, 1928.

TABLE 3. *Movement of Patient Population.*

	INSANE.			SANE VOLUNTARY.			TEMPORARY CARE AND OBSERVATION.			TOTAL ON BOOKS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Patients on books of Institution, September 30, 1927	664	495	1,159	4	-	4	-	1	1	668	496	1,164
2. Admissions during year:												
First admissions	38	40	78	4	-	4	7	5	12	49	45	94
Readmissions	7	9	16	1	-	1	1	-	1	9	9	18
Transfers from other hospitals for mental diseases	37	1	38	-	-	-	-	-	-	37	1	38
3. Total received during year	82	50	132	5	-	5	8	5	13	95	55	150
4. Total on books during year	746	545	1,291	9	-	9	8	6	14	763	551	1,314
5. Discharged from books during year:												
As recovered	4	1	5	1	-	1	1	-	1	6	1	7
As improved	3	13	16	1	-	1	-	1	1	4	14	18
As unimproved	3	10	13	2	-	2	1	2	3	6	12	18
As without psychosis	1	1	2	-	-	-	3	1	4	4	2	6
Transferred to other hospitals for mental diseases	9	13	22	-	-	-	-	-	-	9	13	22
Died during year	21	23	44	3	-	3	1	-	1	25	23	48
6. Total Discharged, transferred and died during year	41	61	102	7	-	7	6	4	10	54	65	119
7. Insane patients remaining on books at end of hospital year:												
In hospital	657	434	1,091	2	-	2	2	2	4	661	436	1,097
On parole or otherwise absent	48	50	98	-	-	-	-	-	-	48	50	98
Total	705	484	1,189	2	-	2	2	2	4	709	486	1,195

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	M.	F.	T.	Fathers.	Mothers.	Both Parents.	Fathers.	Mothers.	Both Parents.
United States	24	27	51	15	16	15	20	21	19
Canada ¹	3	3	6	5	4	4	5	6	5
England	1	1	2	1	1	1	1	1	1
Finland	6	3	9	8	8	8	3	3	3
Germany	2	—	2	2	2	2	1	—	—
Ireland	—	2	2	3	3	3	5	4	3
Italy	1	1	2	1	1	1	1	1	1
Poland	—	1	1	—	—	—	1	1	1
Scotland	—	1	1	—	—	—	1	1	1
Sweden	1	—	1	1	1	1	—	—	—
Other countries	—	1	1	—	—	—	1	1	1
Unascertained	—	—	—	2	2	2	1	1	1
Total	38	40	78	38	38	37	40	40	36

¹Includes Newfoundland.

TABLE 5. *Citizenship of First Admissions.*

	Males.	Females.	Total.
Citizens by birth	24	27	51
Citizens by naturalization	4	7	11
Aliens	7	4	11
Citizenship unascertained	3	2	5
Total	38	40	78

TABLE 6. *Psychoses of First Admissions.*

PSYCHOSES.	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses						
2. Senile psychoses				5	9	14
3. Psychoses with cerebral arteriosclerosis				4	3	7
4. General paralysis				4	—	4
5. Psychoses with cerebral syphilis						
6. Psychoses with Huntington's chorea						
7. Psychoses with brain tumor						
8. Psychoses with other brain or nervous diseases, total						
9. Alcoholic psychoses, total				5	—	5
Other types, acute or chronic	5	—	5			
10. Psychoses due to drugs and other exogenous toxins, total				—	1	1
Other exogenous toxins	—	1	1			
11. Psychoses with pellagra						
12. Psychoses with other somatic diseases, total				1	5	6
Exhaustion delirium	—	2	2			
Other diseases or conditions	1	3	4			
13. Manic-depressive psychoses, total				1	6	7
Manic type	1	4	5			
Depressive type	—	2	2			
14. Involution melancholia				—	3	3
15. Dementia præcox (schizophrenia)				6	5	11
16. Paranoia and paranoid conditions						
17. Epileptic psychoses						
18. Psychoneuroses and neuroses, total				1	1	2
Psychasthenic type (anxiety and obsessive forms)	—	1	1			
Other types	1	—	1			
19. Psychoses with psychopathic personality				1	1	2
20. Psychoses with mental deficiency				1	—	1
21. Undiagnosed psychoses				2	2	4
22. Without psychosis, total				7	4	11
Epilepsy without psychosis	—	1	1			
Psychopathic personality without psychosis	1	1	2			
Mental deficiency without psychosis	5	1	6			
Others	1	1	2			
Total				38	40	78

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses.*

RACE.	Total.			Traumatic.			Senile.			With cerebral arterio-sclerosis.			General paralysis.			With cerebral syphyis.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	5	8	13	—	—	—	—	3	3	1	1	2	1	—	1	—	—	—
Finnish	8	2	10	—	—	—	—	1	1	—	—	—	2	—	2	—	—	—
French	6	3	9	—	—	—	—	1	1	—	—	—	1	—	1	—	—	—
German	2	1	3	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Irish	3	6	9	—	—	—	1	—	1	—	2	2	—	—	—	—	—	—
Italian ¹	1	1	2	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Lithuanian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Slavonic ³	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	10	11	21	—	—	—	2	2	4	2	—	2	—	—	—	—	—	—
Race unascertained	1	4	5	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—
Total	38	40	78	—	—	—	5	9	14	4	3	7	4	—	4	—	—	—

¹ Includes "North" and "South."² Norwegians, Danes and Swedes.³ Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Rutenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued.*

RACE.	With Huntington's chorea.			With brain tumor.			With other brain or nervous diseases.			Alcoholic.			Due to drugs and other exogenous toxins.			With pellagra.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finnish	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-
French	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
German	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Italian ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Race unascertained	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	5	-	5	-	1	1	-	-	-

¹ Includes "North" and "South."² Norwegians, Danes and Swedes.³ Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Rutenian, Servian, Slovak, Slovenian.TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued.*

RACE.	With other somatic diseases.			Manic-depressive.			Involution melancholia.			Dementia præcox.			Paranoia and paranoid conditions.			Epileptic psychoses.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	1	1	2	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-
Finnish	-	-	-	-	1	1	-	-	-	2	-	2	-	-	-	-	-	-
French	-	-	-	1	-	1	-	-	-	1	1	2	-	-	-	-	-	-
German	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	-	-	-	-	1	1	-	1	1	1	1	2	-	-	-	-	-	-
Italian ¹	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Scandinavian ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic ³	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	2	2	-	2	2	-	1	1	2	-	2	-	-	-	-	-	-
Race unascertained	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Total	1	5	6	1	6	7	-	3	3	6	5	11	-	-	-	-	-	-

¹ Includes "North" and "South."² Norwegians, Danes and Swedes.³ Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Rutenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

RACE.	Psycho- neuroses and neuroses.			With psycho- pathic personality.			With men- tal deficiency.			Un- diagnosed psychoses.			Without psychosis.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Armenian	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
English	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
French	—	—	—	—	—	—	—	—	—	1	—	1	1	1	2
German	—	1	1	—	—	—	—	—	—	—	—	—	1	—	1
Irish	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Italian ¹	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ³	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	1	—	1	1	1	2	—	—	—	1	—	1	1	2	3
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total	1	1	2	1	1	2	1	—	1	2	2	4	7	4	11

¹ Includes "North" and "South."² Norwegians, Danes and Swedes.³ Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Under 15 years.			15-19 years.			20-24 years.			25-29 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	5	9	14	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	4	3	7	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	4	—	4	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	5	—	5	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	5	6	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	1	6	7	—	1	1	—	—	—	—	—	—	—	—	—
14. Involution melancholia	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia præcox	6	5	11	—	—	—	1	—	1	1	—	1	—	1	1
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	1	2	—	—	—	1	—	1	—	—	—	—	—	—
19. With psychopathic personality	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	2	2	4	—	—	—	—	—	—	1	—	1	—	—	—
22. Without psychosis	7	4	11	—	—	—	1	—	1	1	—	1	—	2	2
Total	38	40	78	—	1	1	3	—	3	3	—	3	—	3	3

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued.*

PSYCHOSES.	30-34 years.			35-39 years.			40-44 years.			45-49 years.			50-54 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	-	-	-	1	-	1	3	-	3	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	1	-	1	-	-	-	1	-	1	1	-	1
10. Due to drugs and other exogenous toxins	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	2	2	-	1	1	-	1	1
13. Manic-depressive	-	-	-	-	1	1	1	1	2	-	-	-	-	3	3
14. Involution melancholia	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-
15. Dementia præcox	2	-	2	-	1	1	2	3	5	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
21. Undiagnosed psychoses	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-
22. Without psychosis	1	-	1	1	-	1	2	1	3	-	1	1	-	-	-
Total	4	1	5	3	3	6	8	9	17	2	4	6	1	6	7

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

PSYCHOSES.	55-59 years.			60-64 years.			65-69 years.			70 years and over.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	2	-	2	-	1	1	3	6	9	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	1	1	2	3	2	5	-	-	-
4. General paralysis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
15. Dementia præcox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Total	1	1	2	3	1	4	1	2	3	9	9	18	-	-	-

TABLE 9. *Degree of Education of First Admissions Classified with Reference to Principal Psychoses.*

Psychoses,	Total.			Illiterate.			Reads and Writes. ¹			Common School.			High School.			College.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	5	9	14	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
2. Senile	4	3	7	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3. With cerebral arteriosclerosis	4	3	7	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4. General paralysis	4	3	7	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5. With cerebral syphilis	4	3	7	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. With Huntington's chorea	4	3	7	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7. With brain tumor	4	3	7	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8. With other brain or nervous diseases	4	3	7	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9. Alcoholic	5	9	14	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10. Due to drugs and other exogenous toxins	5	9	14	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11. With pellagra	1	5	6	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12. With other somatic diseases	1	5	6	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13. Manic depressive	1	3	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14. Involution melancholia	3	3	6	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15. Dementia praecox	6	5	11	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16. Paranoia and paranoid conditions	6	5	11	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17. Epileptic psychoses	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18. Psychoneuroses and neuroses	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19. With psychopathic personality	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20. With mental deficiency	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21. Undiagnosed psychoses	2	2	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22. Without psychosis	7	4	11	1	1	2	2	2	2	2	2	2	4	2	6	1	1	1	1	1	1
Total	38	40	78	2	6	8	8	22	28	50	5	10	1	1	1	1	1	1	1	1	1

¹Includes those who did not complete fourth grade in school.

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Urban.			Rural.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	5	9	14	5	8	13	—	1	1	—	—	—
3. With cerebral arteriosclerosis	4	3	7	3	3	6	1	—	1	—	—	—
4. General paralysis	4	—	4	4	—	4	—	—	—	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	5	—	5	5	—	5	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	1	1	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	5	6	1	3	4	—	2	2	—	—	—
13. Manic-depressive	1	6	7	1	5	6	—	1	1	—	—	—
14. Involution melancholia	—	3	3	—	2	2	—	1	1	—	—	—
15. Dementia præcox	6	5	11	5	5	10	1	—	1	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	1	2	1	1	2	—	—	—	—	—	—
19. With psychopathic personality	1	1	2	1	1	2	—	—	—	—	—	—
20. With mental deficiency	1	—	1	1	—	1	—	—	—	—	—	—
21. Undiagnosed psychoses	2	2	4	2	1	3	—	1	1	—	—	—
22. Without psychosis	7	4	11	6	3	9	1	1	2	—	—	—
Total	38	40	78	35	33	68	3	7	10	—	—	—

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Dependent.			Marginal.			Comfortable.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	5	9	14	1	2	3	2	2	4	2	4	6	—	1	1
3. With cerebral arteriosclerosis	4	3	7	—	—	—	—	1	1	4	2	6	—	—	—
4. General paralysis	4	—	4	—	—	—	2	—	2	2	—	2	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	5	—	5	1	—	1	3	—	3	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	5	6	—	—	—	1	2	3	—	3	3	—	—	—
13. Manic-depressive	1	6	7	—	—	—	—	—	—	1	5	6	—	1	1
14. Involution melancholia	—	3	3	—	—	—	—	3	3	—	—	—	—	—	—
15. Dementia præcox	6	5	11	2	—	2	4	4	8	—	1	1	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	1	2	—	—	—	1	—	1	—	1	1	—	—	—
19. With psychopathic personality	1	1	2	—	—	—	1	—	1	—	1	1	—	—	—
20. With mental deficiency	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
21. Undiagnosed psychoses	2	2	4	—	—	—	1	—	1	1	2	3	—	—	—
22. Without psychosis	7	4	11	4	2	6	1	1	2	2	1	3	—	—	—
Total	38	40	78	8	4	12	17	14	31	13	20	33	—	2	2

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Abstinent.			Temperate.			Intemperate.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	5	9	14	—	6	6	4	2	6	1	—	1	—	1	1
3. With cerebral arteriosclerosis	4	3	7	3	2	5	—	1	1	1	—	1	—	—	—
4. General paralysis	4	—	4	1	—	1	2	—	2	1	—	1	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	5	—	5	—	—	—	—	—	—	5	—	5	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	5	6	1	5	6	—	—	—	—	—	—	—	—	—
13. Manic-depressive	1	6	7	—	3	3	—	3	3	1	—	1	—	—	—
14. Involution melancholia	—	3	3	—	2	2	—	—	—	—	—	—	—	1	1
15. Dementia præcox	6	5	11	1	4	5	5	1	6	—	—	—	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	1	2	1	—	1	—	1	1	—	—	—	—	—	—
19. With psychopathic personality	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—
20. With mental deficiency	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
21. Undiagnosed psychoses	2	2	4	—	2	2	2	—	2	—	—	—	—	—	—
22. Without psychosis	7	4	11	5	3	8	1	1	2	1	—	1	—	—	—
Total	38	40	78	13	29	42	15	9	24	10	—	10	—	2	2

TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Single.		Married.		Widowed.		Separated.		Divorced.		Unascertained.	
	M.	F.	T.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	5	9	14	2	—	2	4	1	5	—	—	—	—	—	—
2. Senile	4	3	7	1	—	3	—	1	2	—	—	—	—	—	—
3. With cerebral arteriosclerosis	4	—	4	1	—	2	—	1	2	1	1	—	—	—	—
4. General paralysis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	5	—	5	—	—	4	—	1	—	—	—	—	—	—	—
9. Alcoholic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	1	5	6	—	—	1	4	—	1	—	—	—	—	—	—
12. With other somatic diseases	1	6	7	—	2	1	3	—	1	—	—	—	—	—	—
13. Manic depressive	—	3	3	—	—	2	2	—	1	—	—	—	—	—	—
14. Involution melancholia	6	5	11	5	3	1	2	—	—	—	—	—	—	—	—
15. Dementia præcox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	1	1	2	1	—	—	1	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	1	2	1	1	1	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	1	1	2	—	1	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	2	2	4	2	1	—	1	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	7	4	11	6	2	—	1	1	1	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	38	40	78	19	9	28	15	19	34	4	11	15	—	—	—

TABLE 14. *Psychoses of Readmissions.*

PSYCHOSES.	Males. Females. Total.		
1. Traumatic psychoses	—	—	—
2. Senile psychoses	—	2	2
3. Psychoses with cerebral arteriosclerosis	—	—	—
4. General paralysis	—	—	—
5. Psychoses with cerebral syphilis	—	—	—
6. Psychoses with Huntington's chorea	—	—	—
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	—	—	—
9. Alcoholic psychoses	—	—	—
10. Psychoses due to drugs and other exogenous toxins	—	—	—
11. Psychoses with pellagra	—	—	—
12. Psychoses with other somatic diseases	1	—	1
13. Manic-depressive psychoses	2	2	4
14. Involution melancholia	—	1	1
15. Dementia præcox	3	3	6
16. Paranoia and paranoid conditions	—	—	—
17. Epileptic psychoses	—	—	—
18. Psychoneuroses and neuroses	1	—	1
19. Psychoses with psychopathic personality	—	—	—
20. Psychoses with mental deficiency	—	—	—
21. Undiagnosed psychoses	—	1	1
22. Without psychosis	—	1	1
Total	7	9	16

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge.*

PSYCHOSES.	Total.			Recovered.			Improved.			Unimproved.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	—	1	1	—	—	—	—	—	—	—	1	1
3. With cerebral arteriosclerosis	—	2	2	—	—	—	—	1	1	—	1	1
4. General paralysis	1	—	1	—	—	—	1	—	1	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	2	—	2	2	—	2	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	2	2	—	—	—	1	1	—	1	1	—
11. With pellagra	2	2	4	2	—	2	—	1	1	—	1	1
12. With other somatic diseases	1	2	3	—	—	—	1	1	2	—	1	1
13. Manic-depressive	—	2	2	—	—	—	—	2	2	—	—	—
14. Involution melancholia	4	8	12	—	—	—	1	4	5	3	4	7
15. Dementia præcox	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	1	1	—	—	—	—	1	1	—	—	—
19. With psychopathic personality	—	3	3	—	1	1	—	1	1	—	1	1
20. With mental deficiency	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	—	1	1	—	—	—	—	1	1	—	—	—
22. Without psychosis	1	1	2	—	—	—	—	—	—	—	—	—
Total	11	25	36	4	1	5	3	13	16	3	10	13

TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Psychoses.*

CAUSES OF DEATH.	Total.			Senile.			With cerebral arterio-sclerosis.			General paralysis.			Alcoholic.			Manic-depressive.			Involution melancholia.			Dementia præcox.			With mental deficiency.			All other psychoses. ¹		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
<i>Epidemic, Endemic and Infectious Diseases.</i>																														
Erysipelas	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Tuberculosis of the respiratory system	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Purulent infection, septicaemia	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
<i>General Diseases Not Included in Class I.</i>																														
Cancer and other malignant tumors	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Other general diseases	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Diseases of the Nervous System.</i>																														
Cerebral hemorrhage, apoplexy	3	5	8	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
General paralysis of the insane	1	1	2	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Diseases of the Circulatory System.</i>																														
Endocarditis and myocarditis	9	6	15	1	2	3	4	4	-	3	-	3	-	3	-	3	-	3	-	3	-	3	-	3	-	3				
Arteriosclerosis	-	3	3	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Diseases of the Respiratory System.</i>																														
Bronchopneumonia	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Lobar pneumonia	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Diseases of the Digestive System.</i>																														
Hernia and intestinal obstruction	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
<i>External Causes.</i>																														
Suicide	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Other external causes	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Total	21	23	44	2	5	7	4	-	4	4	-	4	-	4	-	4	-	4	-	4	-	4	-	4	-	4				

¹Includes group 22, "without psychosis."

TABLE 17. *Age of Patients at Time of Death Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			30-34 years.			35-39 years.			40-44 years.			45-49 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	2	5	7	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	1	1	2	-	1	1	-	-	-	1	-	1	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	1	1	2	-	-	-	-	-	-	1	1	-	-	-	-
13. Manic-depressive	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia præcox	8	9	17	1	-	1	-	-	-	2	1	3	2	2	4
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Total	21	23	44	1	1	2	-	1	1	3	2	5	2	2	4

TABLE 17. *Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded.*

PSYCHOSES.	50-54 years.			55-59 years.			60-64 years.			65-69 years.			70 years and over.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	2	5	7
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	4	-	4
4. General paralysis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	1	-	1	-	-	-	1	-	1	2	-	2
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
13. Manic-depressive	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	-	-	-	-	-	-	3	3	-	-	-	-	-	1	1
15. Dementia præcox	-	1	1	-	-	-	1	1	2	1	1	2	1	3	4
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	1	-	1	-	-	-	-	1	1
Total	-	2	2	2	-	2	2	4	6	2	1	3	9	10	19

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses.*

PSYCHOSES.	Total.			Less than 1 month.			1-3 months.			4-7 months.			8-12 months.			1-2 years.			3-4 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	5	7	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
2. Senile	4	1	5	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
3. With cerebral arteriosclerosis	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
4. General paralysis	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
9. Alcoholic	4	1	5	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
11. With pellagra	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
12. With other somatic diseases	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
13. Manic-depressive	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
14. Involution melancholia	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
15. Dementia præcox	8	9	17	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
16. Paranoia and paranoid conditions	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic psychoses	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
18. Psychoneuroses and neuroses	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
19. With psychopathic personality	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
20. With mental deficiency	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed psychoses	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
22. Without psychosis	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Total	21	23	44	1	2	3	5	5	10	3	2	5	1	1	2	3	2	5	1	1	2

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded.*

Psychoses.		5-6 years..		7-8 years.		9-10 years.		11-12 years.		13-14 years.		15-19 years.		20 years and over		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1.	Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.	Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.	With cerebral arteriosclerosis	-	1	1	-	-	-	-	-	-	-	-	-	1	-	1
4.	General paralysis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.	With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.	With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.	With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.	Alcoholic	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-
10.	Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.	With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12.	With other somatic diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.	Manic depressive	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
14.	Involution melancholia	-	-	-	-	-	1	1	-	-	-	-	-	-	1	1
15.	Dementia præcox	-	-	-	-	-	2	2	-	-	1	1	-	3	3	6
16.	Paranoia and paranoid conditions	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-
17.	Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18.	Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19.	With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20.	With mental deficiency	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
21.	Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22.	Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	3	3	-	3	3	1	-	1	2	1	3	3	3	6

TABLE 19. *Family Care Department.*

	Male.	Female.	Total.
Remaining in Family Care Oct. 1, 1927	10	46	56
On visit from Family Care Oct. 1, 1927	—	—	—
Admitted during the year	23	36	59
Whole number of cases within the year	33	82	115
Dismissed within the year	15	54	69
Returned to institution	15	40	55
Discharged (Transferred and died)	—	14	14
On visit	—	—	—
Remaining in Family Care Oct. 1, 1928	18	28	46
Supported by State	14	26	40
Private	—	—	—
Self-supporting	4	2	6
Number of different persons within the year	24	52	76
Number of different persons dismissed	19	30	49
Number of different persons admitted from Family Care	15	46	61
Average daily number in Family Care during the year:			
Supported by State	12.178	42.314	54.492
Private	—	—	—
Self-supporting	2.357	3.904	6.261

